

AMENDMENTS TO THE CLAIMS

Claims 1-34 (Canceled)

Claim 35 (Currently Amended): A ~~quartz~~ silica glass crucible, comprising
a crucible main body comprising silica glass and having an inside surface and an
outside surface, and wherein

a ~~quartz~~ silica glass powder layer is formed on the whole or in a ring configuration on
the outside surface of the crucible main body, and/or in a ring configuration on ~~a part~~ an
upper end portion of the inside surface ~~being not contacted with a molten silicon of the~~
crucible main body.

Claim 36 (Currently Amended): The ~~quartz~~ silica glass crucible of ~~claim~~ Claim 35,
wherein

silica glass powder of the silica glass powder layer ~~on the whole or in the ring~~
~~configuration on the outside surface of the crucible, and/or in the ring configuration on a part~~
~~of the inside surface being not contacted with a molten silicon~~ comprises fine silica particles
and coarse silica particles, ~~wherein~~

the fine silica glass particles constitute more than 20 weight % of all the silica glass
powder ~~are the fine silica particles having smaller~~ and have particle size smaller than 10 μm ,
and ~~remaining powder are~~

the coarse silica glass particles ~~having less~~ constitute the remaining silica glass
powder and have particle size smaller than 150 μm .

Claim 37 (New): The silica glass crucible of Claim 35, wherein the silica glass powder layer is formed on the whole of the outside surface of the crucible main body.

Claim 38 (New): The silica glass crucible of Claim 35, wherein the silica glass powder layer is formed in a ring configuration on the outside surface of the crucible main body, and the silica glass of the crucible main body is exposed on a bottom portion of the outside surface.

Claim 39 (New): The silica glass crucible of Claim 35, wherein the silica glass powder layer is formed in a ring configuration on the upper end portion of the outside surface of the crucible main body, and the silica glass of the crucible main body is exposed on a bottom portion of the inside surface.

Claim 40 (New): The silica glass crucible of Claim 38, wherein the silica glass powder layer is further formed in a ring configuration on the upper end portion of the inside surface of the crucible main body, and the silica glass of the crucible main body is exposed on a bottom portion of the inside surface.

Claim 41 (New): The silica glass crucible of Claim 39, wherein the silica glass powder layer is further formed in a ring configuration on the upper end portion of the inside surface of the crucible main body, and the silica glass of the crucible main body is exposed on a bottom portion of the inside surface.

Claim 42 (New): The silica glass crucible of Claim 36, wherein the particle sizes of the coarse silica glass particles are not smaller than 10 μm .

Claim 43 (New): The silica glass crucible of Claim 36, wherein the silica glass powder has a particle size distribution that enables to control shrinkage percentage of the silica glass powder layer to be less than 10% at a time of sintering the powder layer.

Claim 44 (New): The silica glass crucible of Claim 35, wherein a density of a silica glass in the silica glass powder layer is more than 1 mg/cm^2 .

Claim 45 (New): The silica glass crucible of Claim 35, wherein the silica glass powder layer has a thickness larger than 0.1 mm.

Claim 46 (New): The silica glass crucible of Claim 35, wherein the silica glass powder layer comprises synthetic silica glass powder.

Claim 47 (New): The silica glass crucible of Claim 46, wherein the synthetic silica glass powder has an alkaline metal concentration of less than 1 ppm.

Claim 48 (New): The silica glass crucible of Claim 35, wherein the silica glass powder layer further comprises binder comprising an organic substance.